

Recombinant Human UCN Protein, His-tagged

Cat. No. UCN-533H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UCN Protein (Arg26-Lys124) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg26-Lys124
Description	This gene encodes a member of the sauvagine/corticotropin-releasing factor/urotensin I family. The encoded preproprotein is proteolytically processed to generate the mature peptide, an endogenous ligand for both corticotropin-releasing factor receptor 1 and corticotropin-releasing factor receptor 2. In the brain this peptide may be responsible for the effects of stress on appetite. This peptide may also play a role in mood disorders, neurodegeneration, and skeletal system disorders. In spite of the gene family name similarity, the product of this gene has no sequence similarity to urotensin-2.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: \ Accurate Molecular Mass: \
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

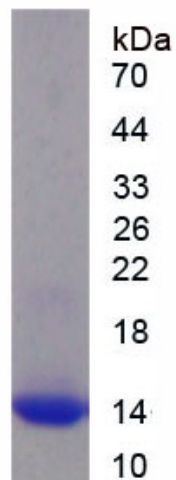
GENE INFORMATION

Gene Name	UCN urocortin [Homo sapiens (human)]
Official Symbol	UCN
Synonyms	UCN; urocortin; UI; UROC; urocortin; prepro-urocortin; urocortin, preproprotein
Gene ID	7349
mRNA Refseq	NM_003353
Protein Refseq	NP_003344
MIM	600945
UniProt ID	P55089

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